AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions of claims in the application.

1. (Currently Amended) A printer apparatus, which is specified by the host to print in logical-page units, the printer apparatus comprising:

a mechanical controller that receives a printing command, controls a printing engine that prints on a printing medium, and detects when there is no printing medium in the printing engine; and

a printer controller that receives a printing instruction from the host to print in logical-page units, creates printing data and sends the printing data to the mechanical controller;

wherein the printer controller calculates the total physical length of the logical-pages after creating the printing data and prevents the mechanical controller from detecting no printing medium error ~~according to the calculated total physical length of the logical-pages and a physical length of one page of the printing medium~~ when the logical-pages can be printed in the physical length of one page, by comparing the total physical length of the logical-pages and the physical length of one page of the printing medium.

2. (Previously presented) The printer apparatus of claim 1, wherein

the printer controller creates bitmap data for each logical page as the printing data according to the printing instruction from the host for printing in logical-page units until the total physical length of plurality of the logical pages reaches the physical length of one page of the

printing medium, and then sends the print command and the bitmap data in logical-page units to the mechanical controller in the logical-page units.

3. (Previously Presented) The printer apparatus of claim 1, wherein

the printer controller receives logical-page lengths from the host, and calculates the total physical length of the logical-pages.

4. (Previously Presented) The printer apparatus of claim 1, wherein

the printer controller calculates a physical length of the total logical pages, according to logical-page lengths and number of logical pages received from the host.

5. (Previously Presented) The printer apparatus of claim 1, wherein

the printer engine comprises an engine for printing on a continuous printing medium, having a set fold length, as the printing medium.

6. (Previously Presented) The printer apparatus of claim 1, wherein

the printer controller checks a physical length in the logical-page units.

7. (Currently Amended) A printer control method for printing in logical-page units according to a command of a host, the method comprising:

receiving a printing instruction from the host to print in logical-page units;

creating printing data to be printed on a print medium by a print engine according to the printing instruction;

calculating the total physical length of the logical-pages;

referencing a physical length of one page of the print medium;

sending a printing command and the printing data to a mechanical controller for controlling the print engine and controlling ~~the detection operation of~~ the mechanical controller so as to prevent the mechanical controller from detecting no print medium error ~~according to the calculated total physical length of the logical-pages and a physical length of one page of the print medium~~ when the logical-pages can be printed in the physical length of one page, by comparing the total physical length of the logical-pages and the physical length of one page of the printing medium.

8. (Previously Presented) The printer control method of claim 7, wherein

the creating step comprises a step of creating bitmap data for each logical page as the printing data according to the printing instruction from the host for printing in logical-page units until the total physical length of plurality of the logical pages reaches the physical length of one page of the printing medium,

and the sending step comprises a step of sending the print command and the bitmap data in logical-page units to the mechanical controller in the logical-page units.

9. (Previously Presented) The printer control method of claim 7, wherein

the calculating step comprises a step of calculating the total physical length of the logical-pages according to logical-page lengths received from the host.

10. (Previously Presented) The printer control method of claim 7, wherein

the calculating step comprises a step of calculating the physical length of the total logical pages, according to logical-page lengths and a number of logical pages received from the host.

11. (Previously Presented) The printer control method of claim 7, wherein

the printing engine comprises an engine for printing on a continuous printing medium, having a set fold length, as the print medium.

12. (Previously Presented) The printer control method of claim 7, wherein

the referencing step comprises a step of checking a physical length in the logical-page units.

13. (Previously Presented) The printer apparatus of claim 1, wherein the printer controller sends an error mask command to the mechanical controller when the printer controller detects that the calculated total physical length of the logical-pages matches the physical length of one page of the printing medium.

14. (Previously Presented) The printer control method of claim 7, wherein the printer controller sends an error mask command to the mechanical controller when the printer controller

detects that the calculated total physical length of the logical-pages matches the physical length of one page of the print medium.